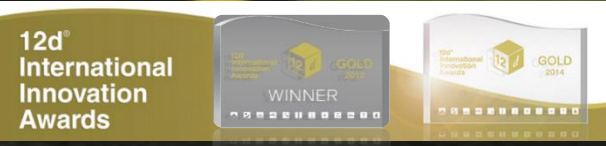


“Creating resilient infrastructure that give people security and confidence in the Future of Christchurch”

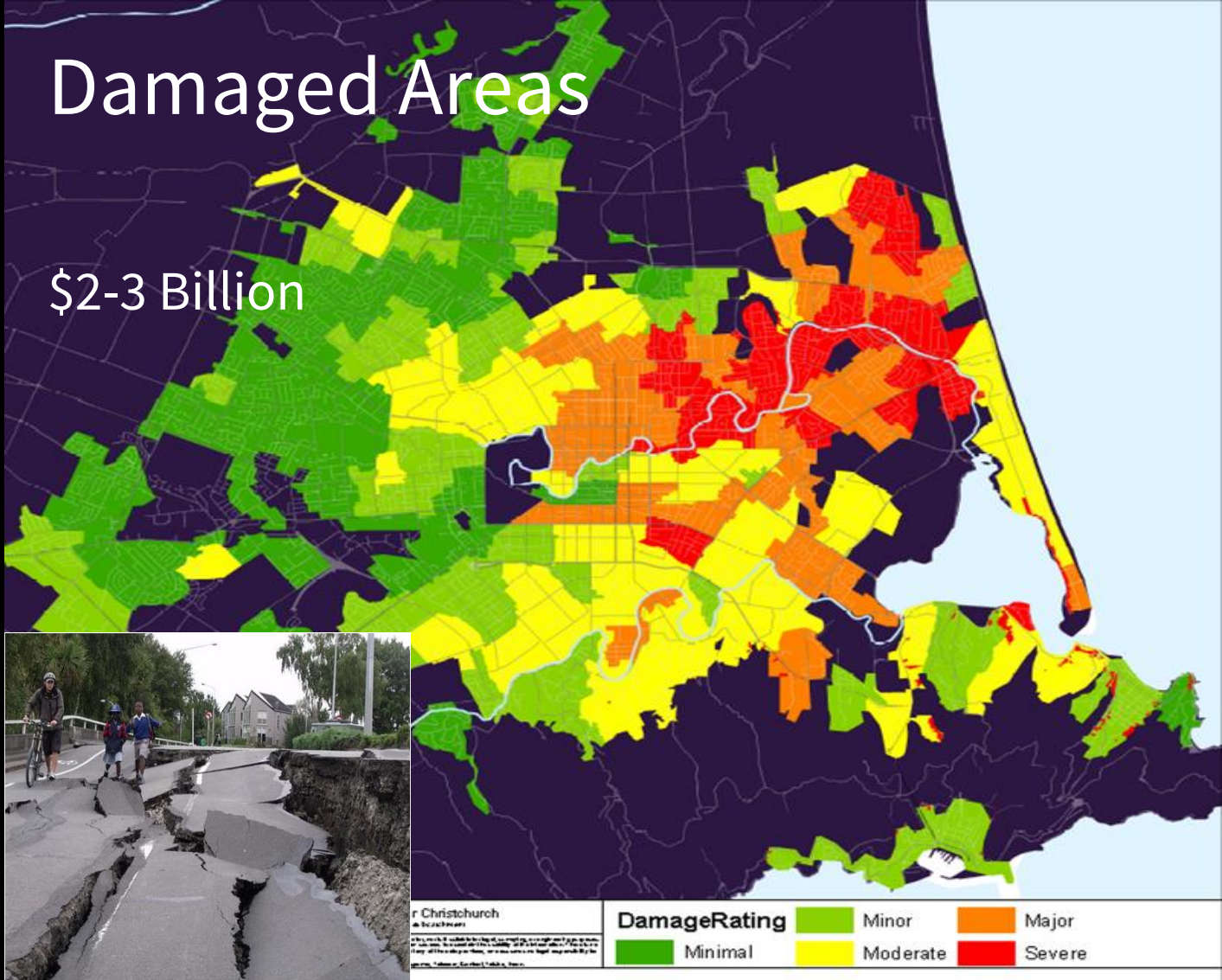


Road To **Success**



Damaged Areas

\$2-3 Billion



Road To Success

Survey Specification

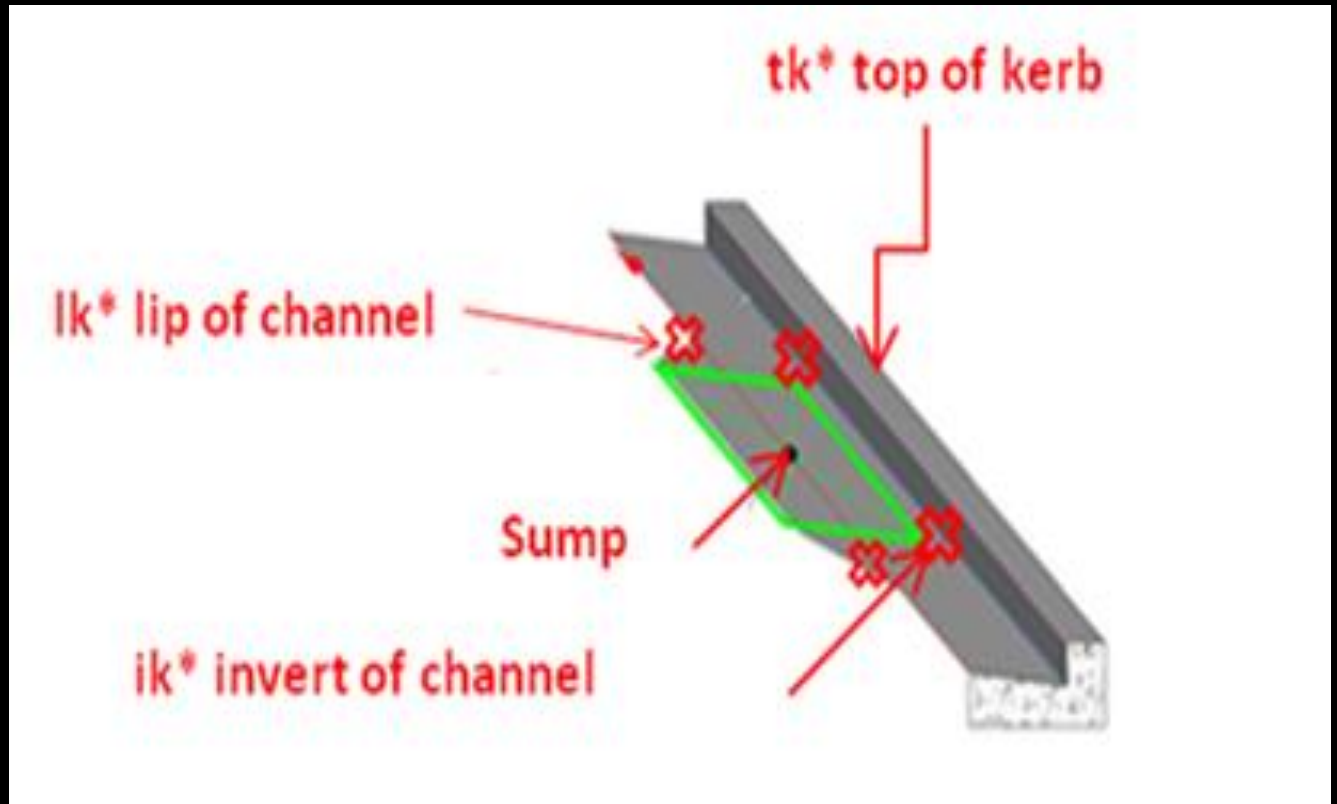


Survey Specification - Topographic & Drainage

Revision: 3.0
Date: 22/08/2013

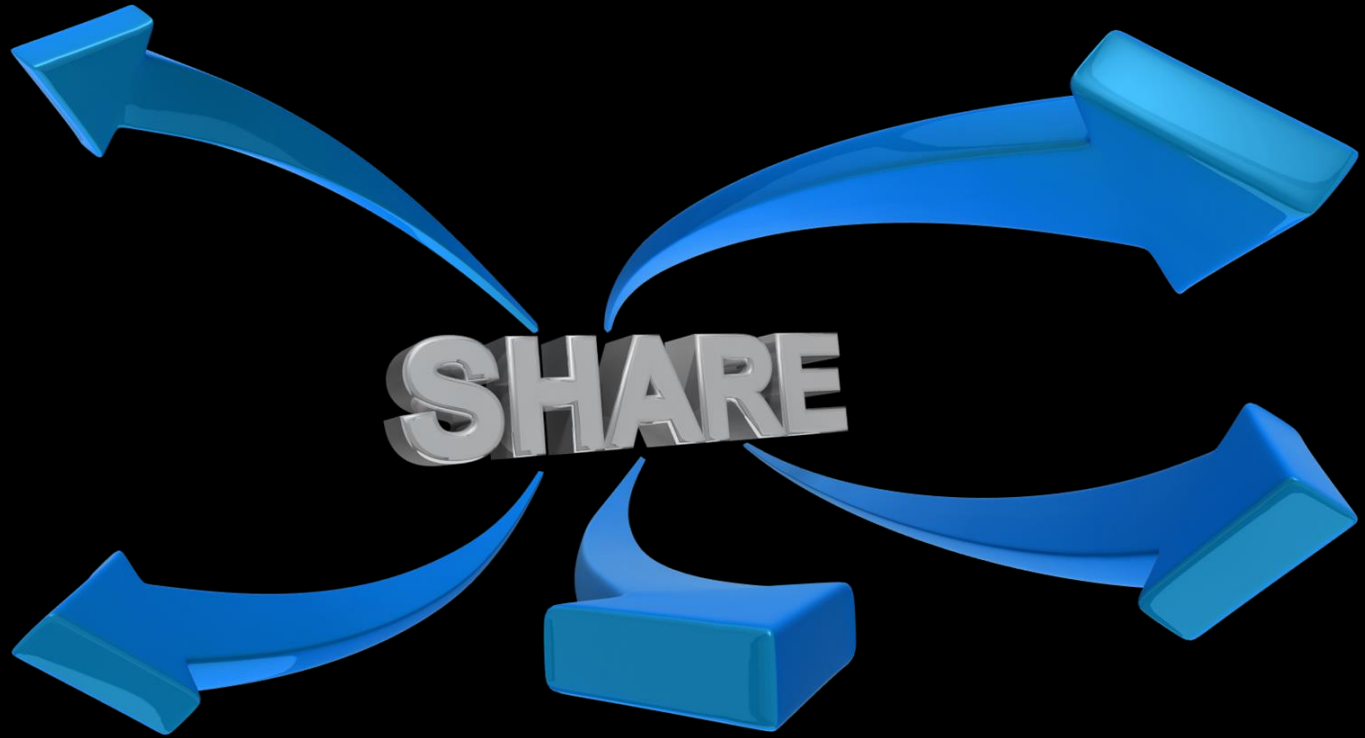
Road To Success

Survey Specification



Road To **Success**

Collaboration



Road To **Success**

12d Drainage Macro



Road To Success

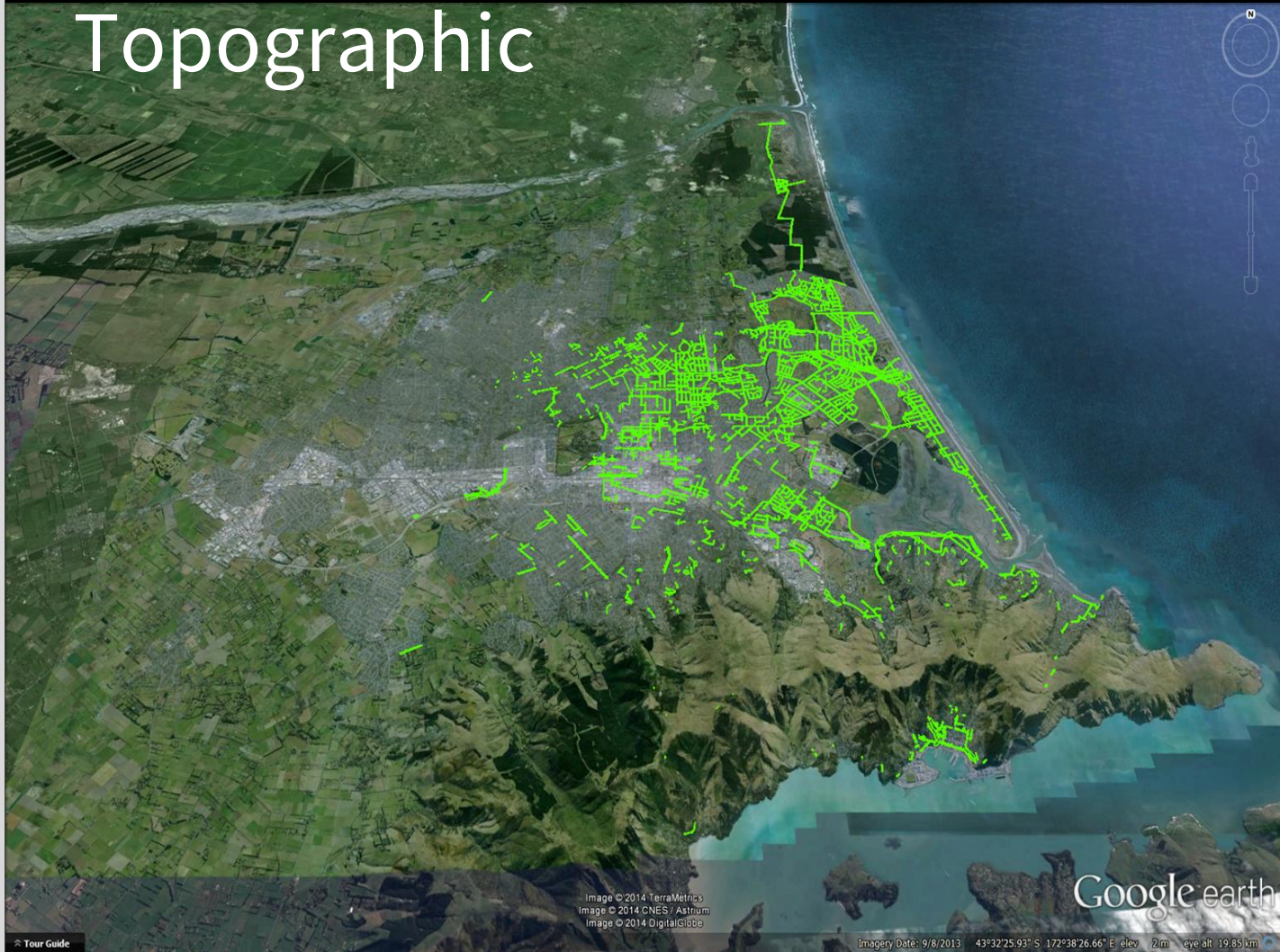


Survey Area

Road To Success

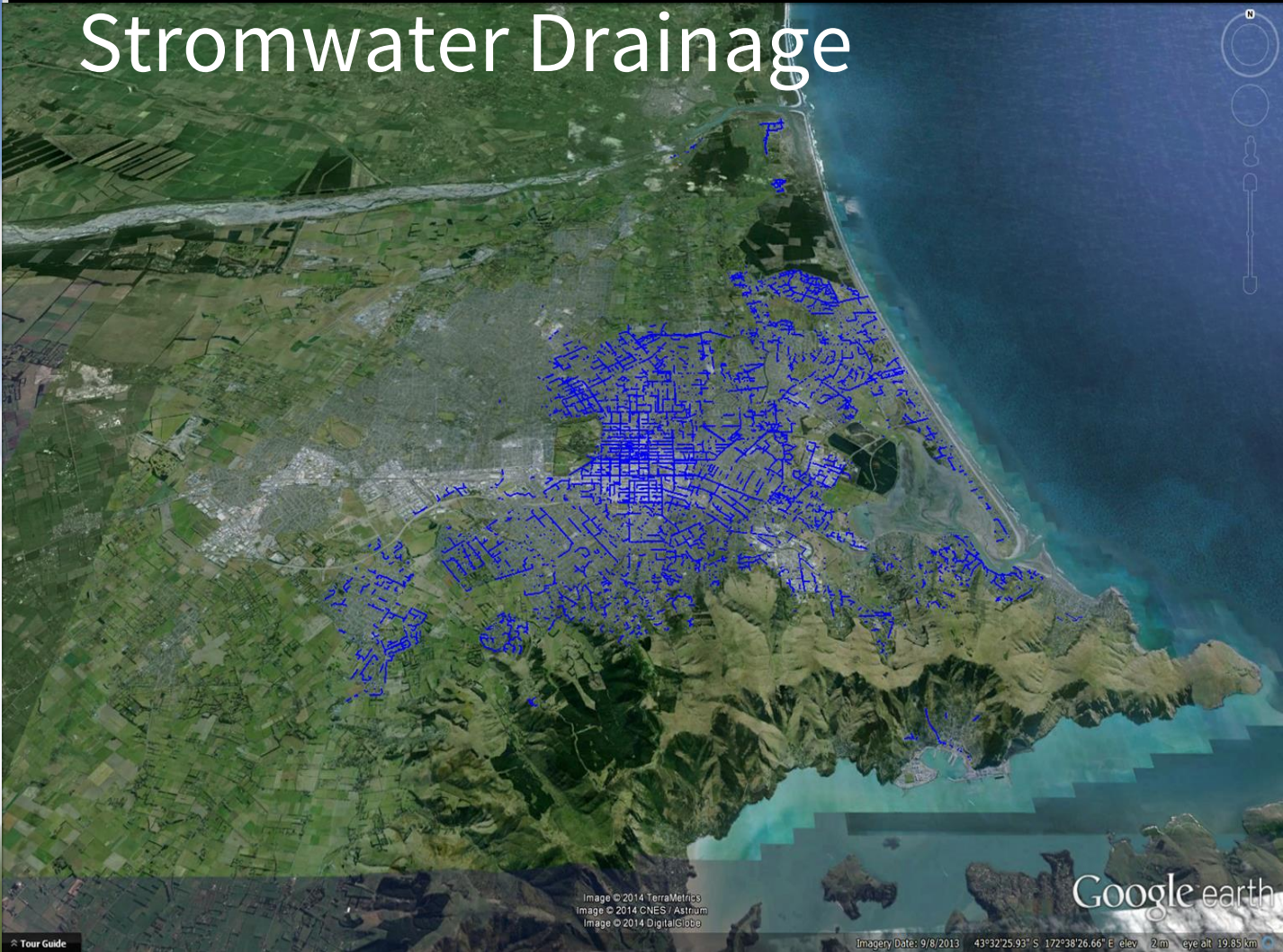


Topographic



Road To Success

Stromwater Drainage



Road To Success



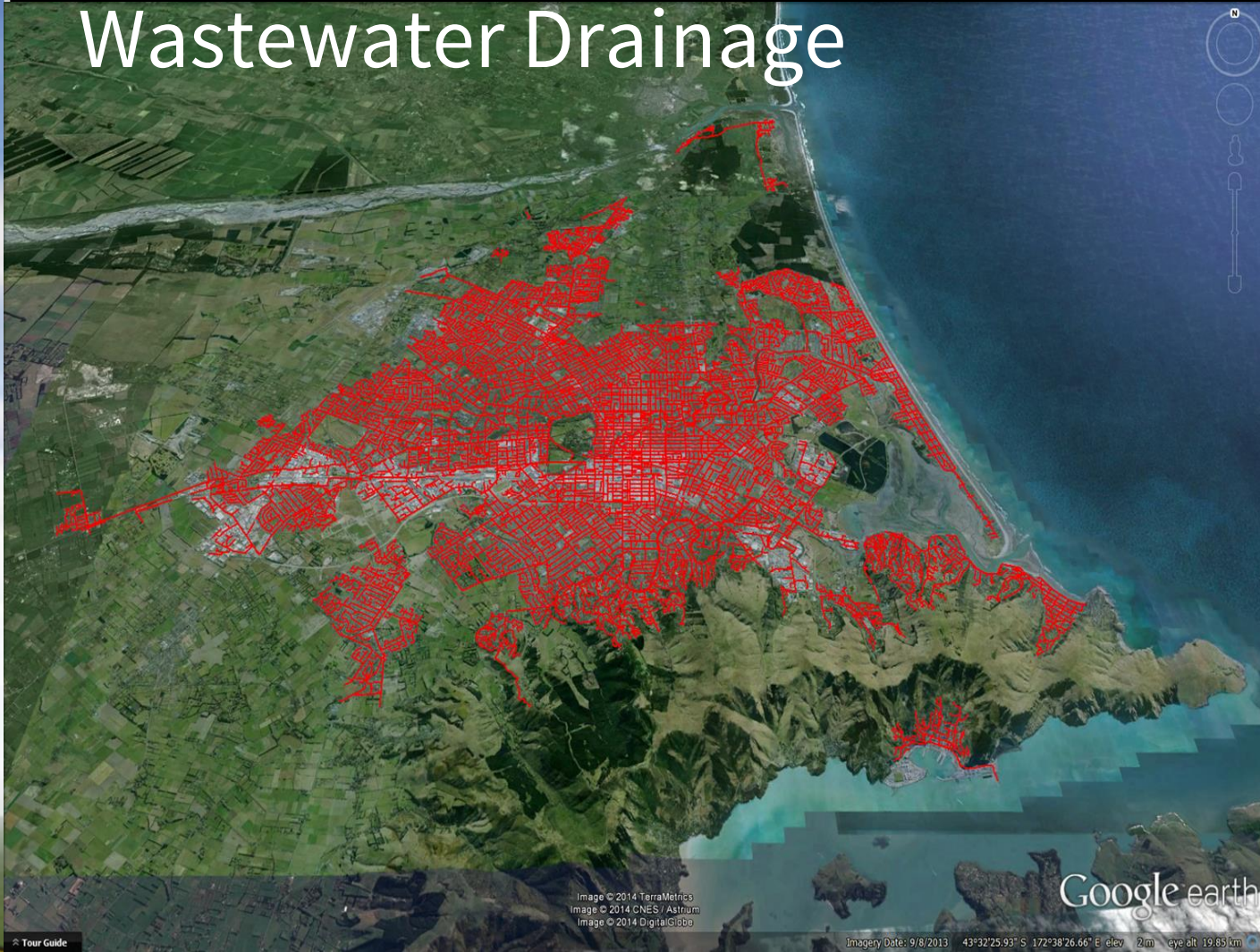
Programme funded by



New Zealand Government



Wastewater Drainage



Road To Success

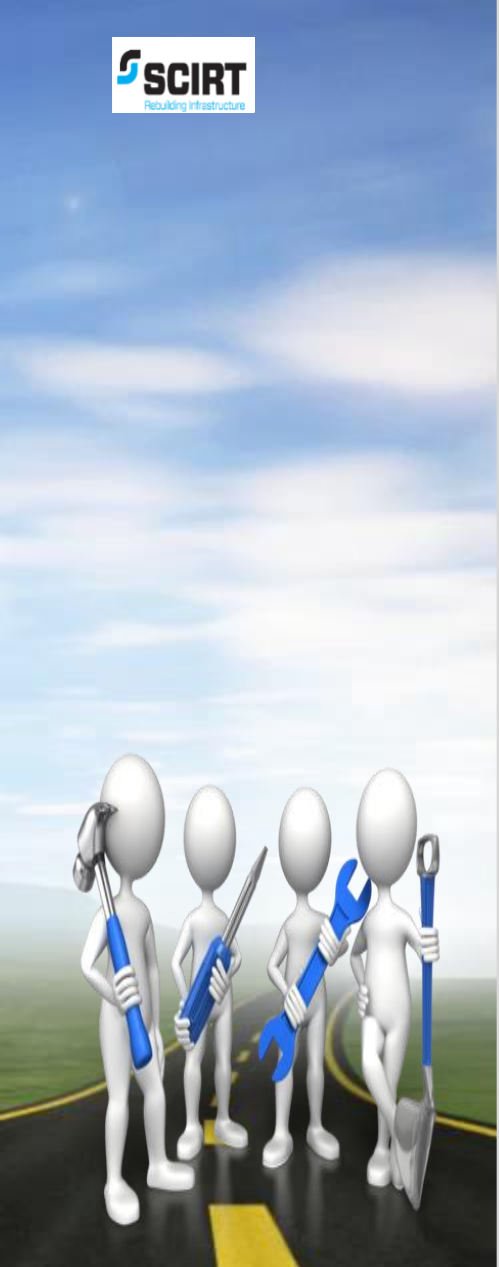


Programme funded by



New Zealand Government



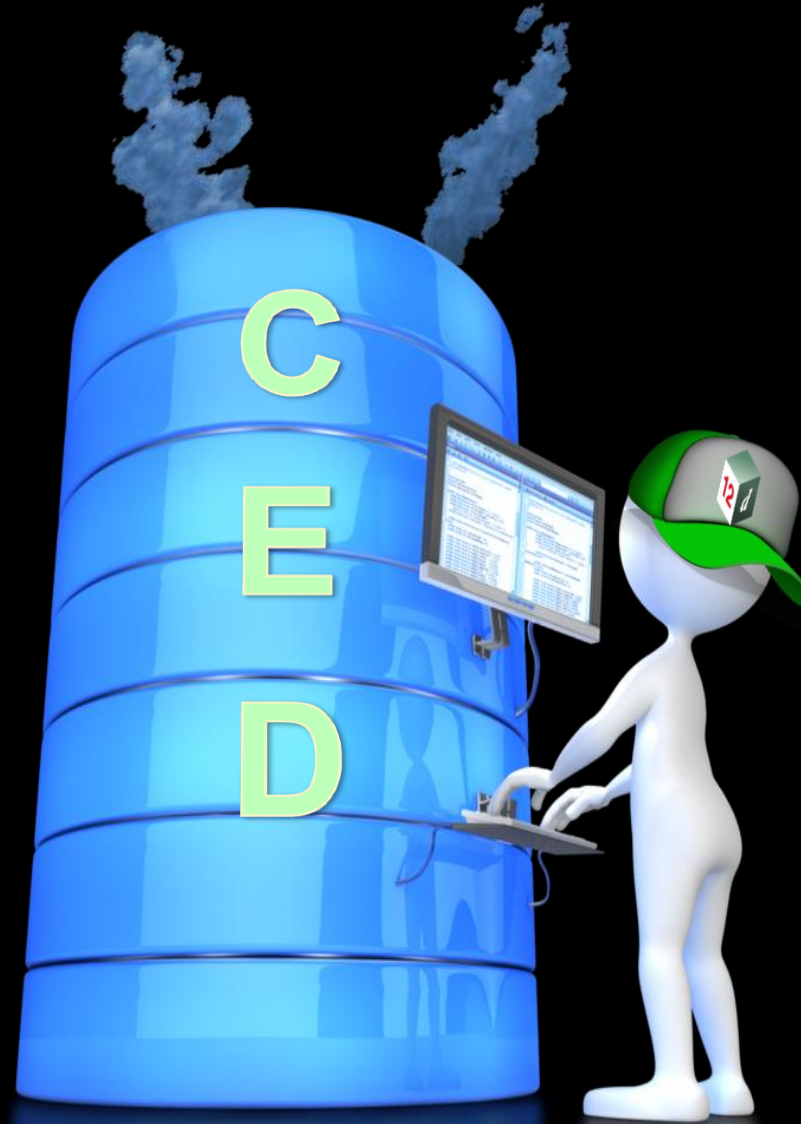


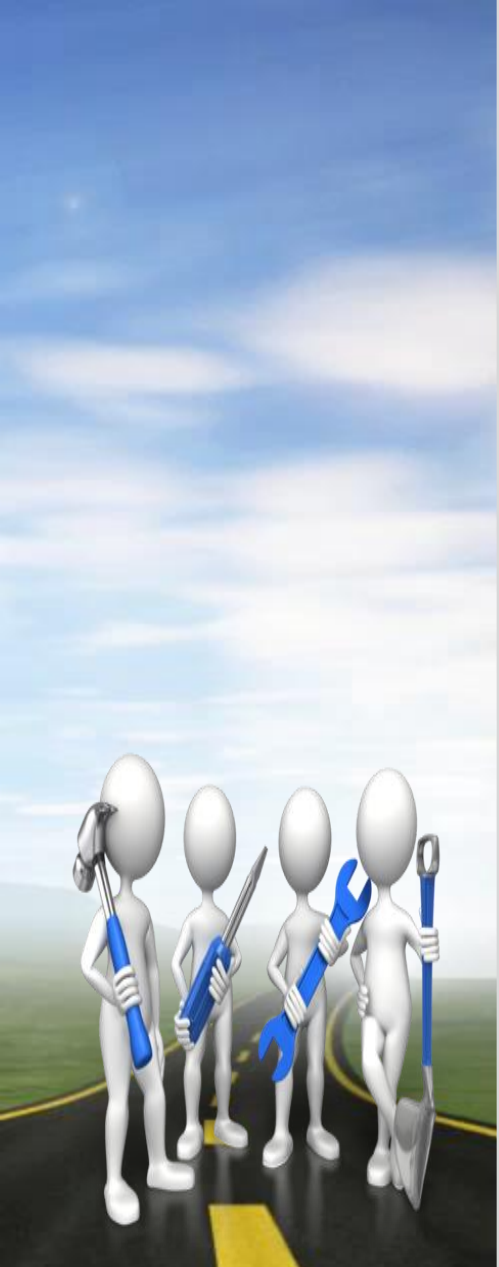
Survey

Lidar

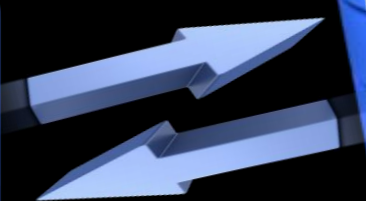
GIS

Design





Master Project



Central Engineering Database

Road To **Success**

12d – Why?

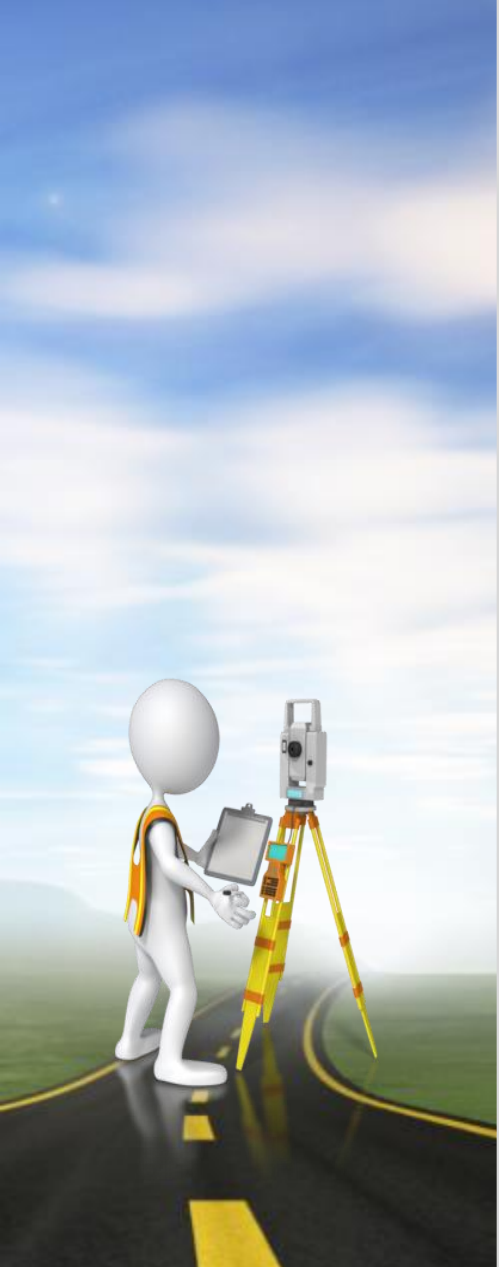


Road To **Success**

Field to Finish

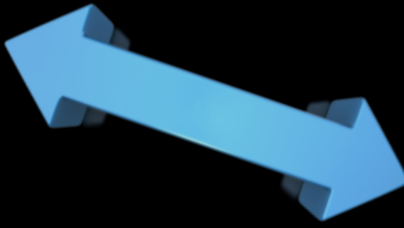


Road To Success





GIS



CED

As Builts

Survey

12d data cycle

Construction

Design

Road To **Success**



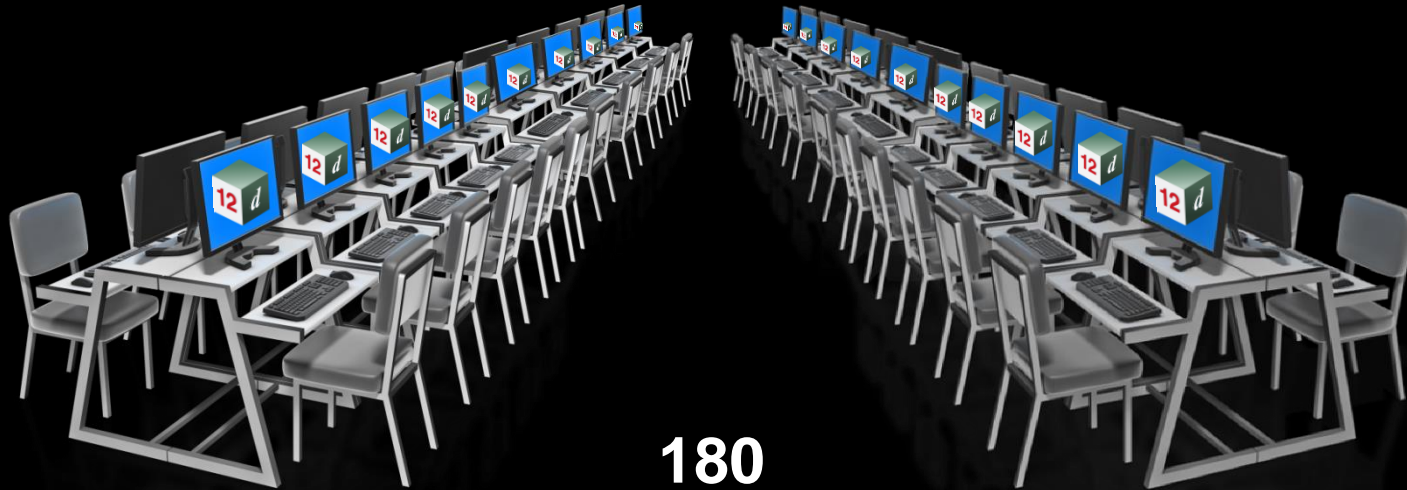
"If everyone is moving forward together, then success takes care of itself."

Henry Ford

Road To Success

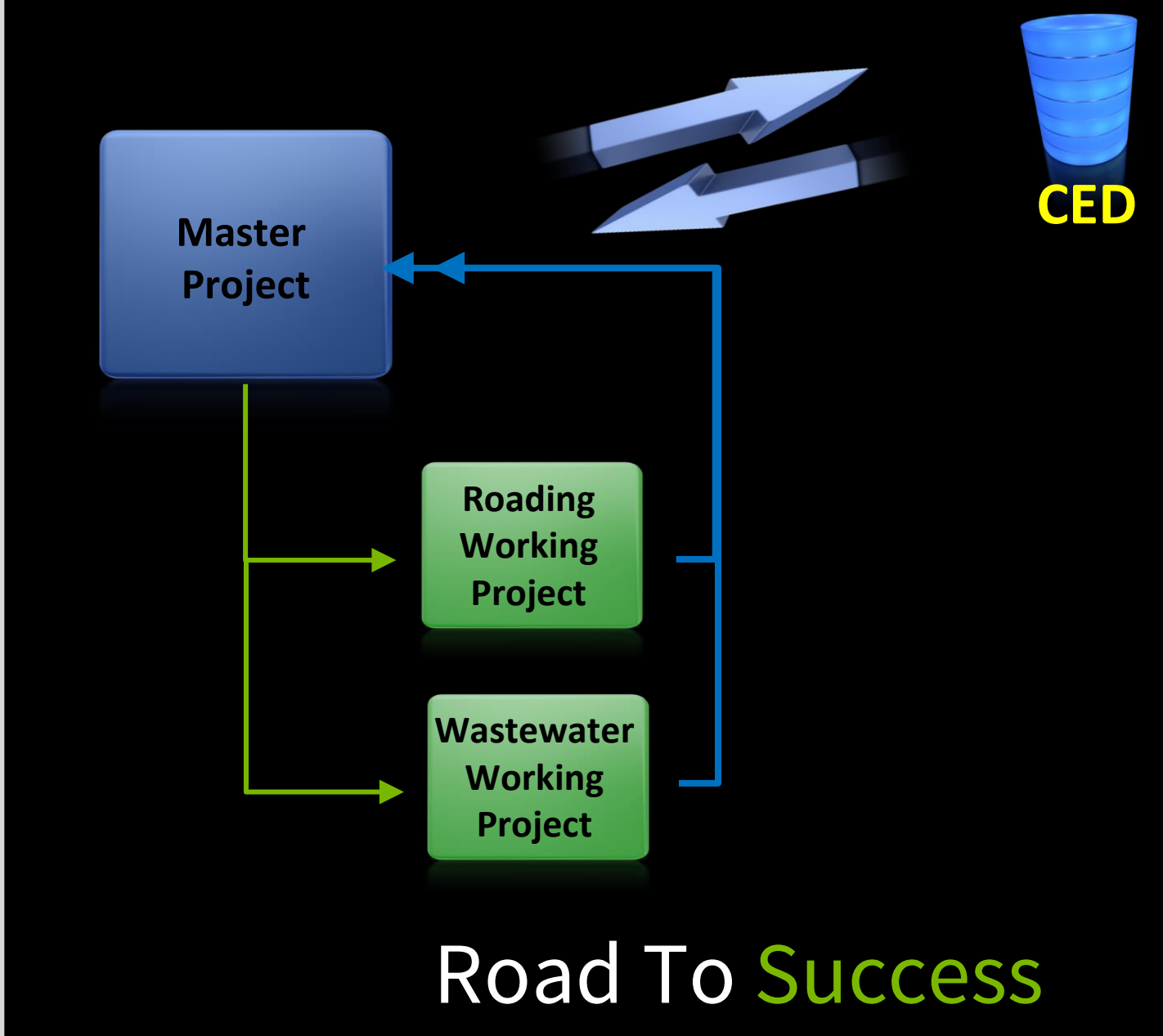
Designers

Design
Teams



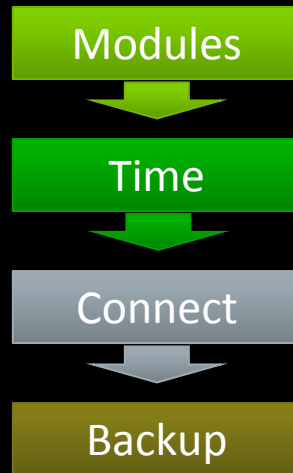
180
Designers

Road To **Success**



Road To Success

Training



Specific Training Modules

Modules approx. 2 hours duration

Interconnecting Modules

Super Users in each team



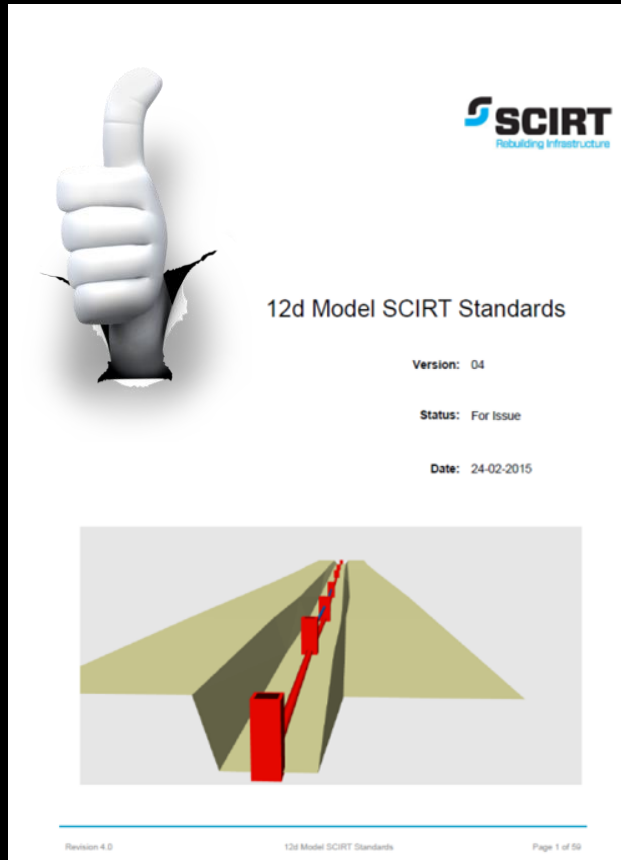
Road To Success

Customisation



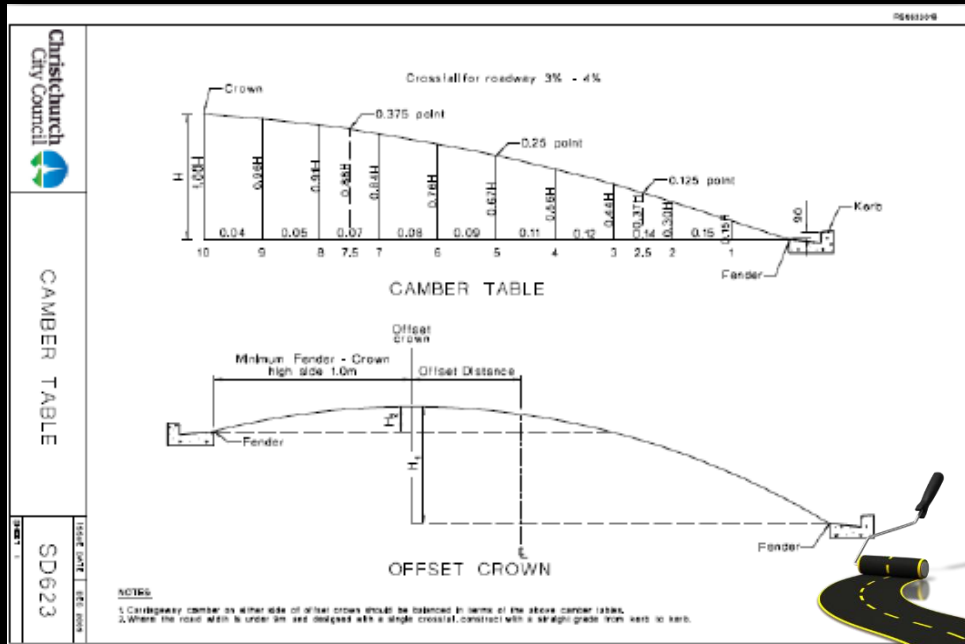
Road To **Success**

Documentation /Standards



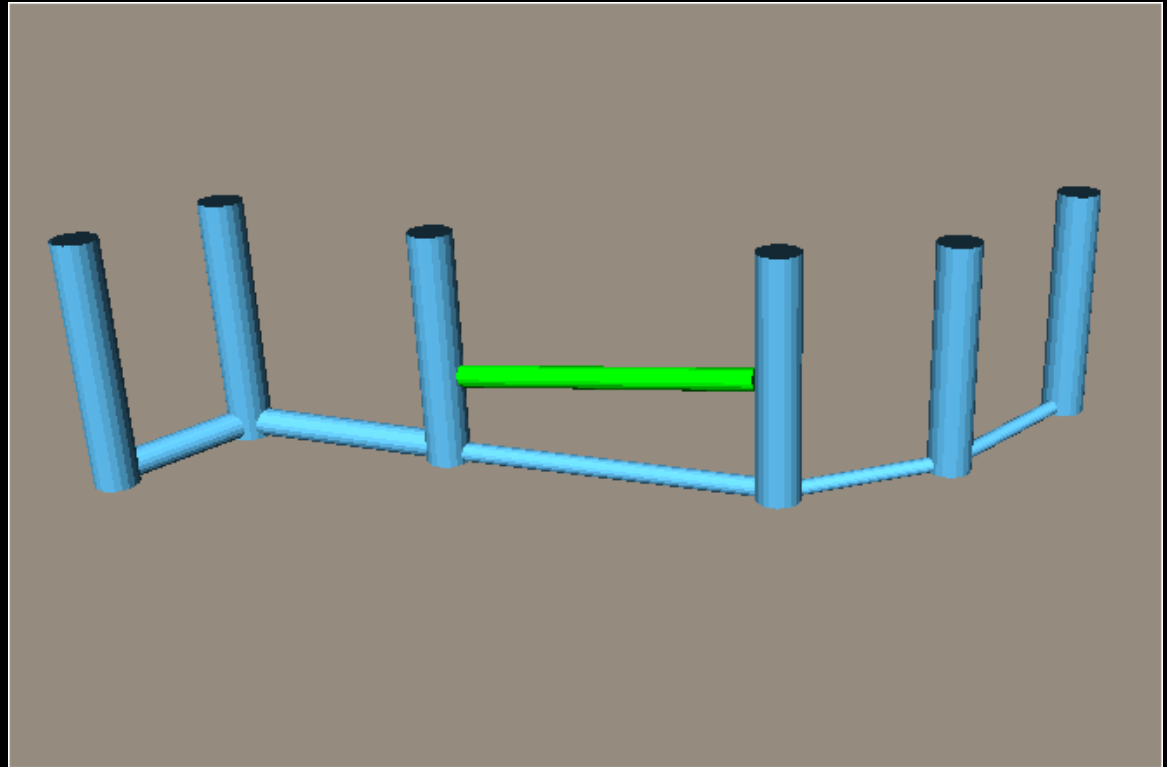
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Macros Specific Use “Roads”



Road To Success

Macros Specific Use “Drainage”



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Anticipate the difficult by Managing the easy

Lao Tzu

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Background

AsBuilt Requirements for Christchurch City Council



Why Create

Flexibility can lead to inconsistencies and interpretation issues so.....

SCIRT developed the Survey As-Built System

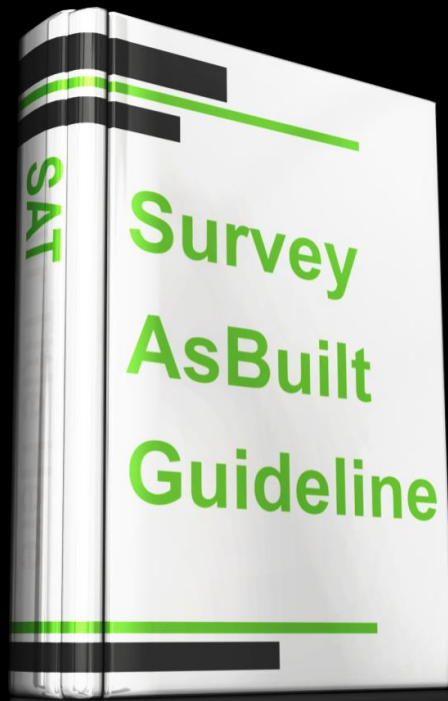
Road To **Success**



- Simple Input
- Contractor Focus
- Consistent Data /Correct Data !



Road To **Success**



Road To **Success**



Drainage Network
Created

Generates
Validation
Reports

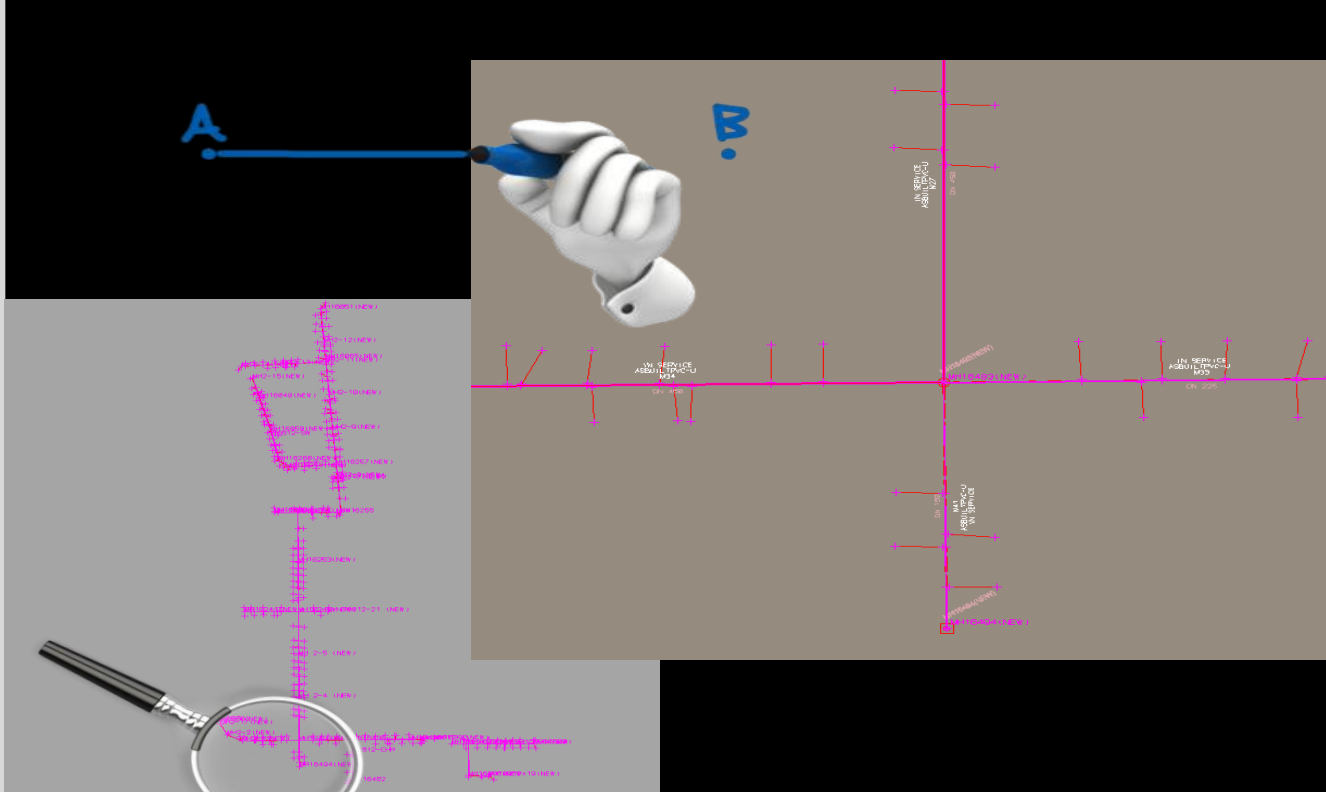


Creates
Geometry

Generates GIS
Data

Generates Plots

Road To **Success**



Road To Success



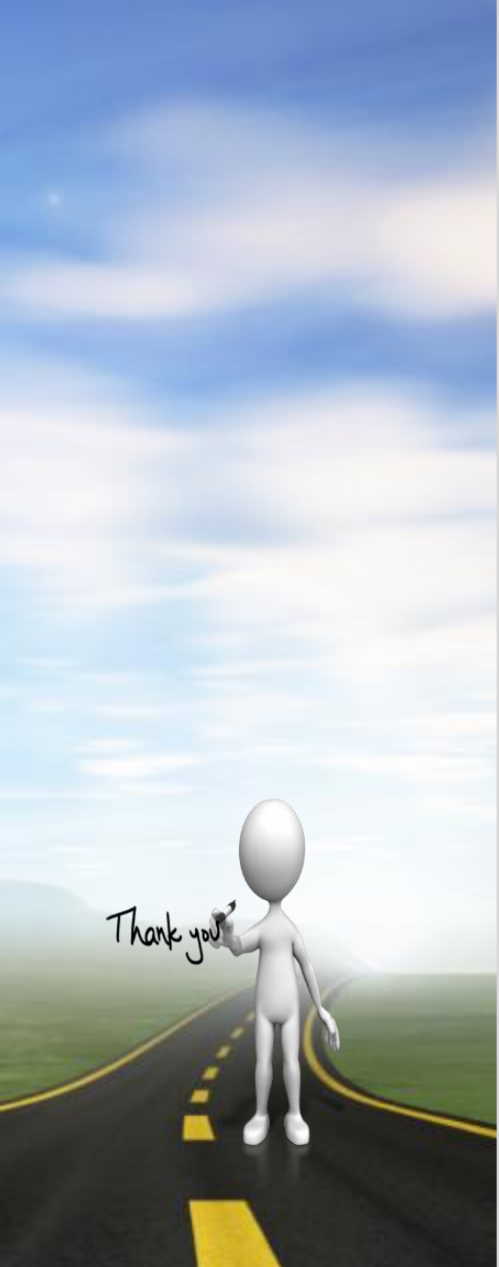
Design Change
Geometry Review

Pipe Diameter
Pipe Type

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What we're here for :
“Creating resilient infrastructure that give people security and confidence in the Future of Christchurch”

in the Future of Christchurch

Road To **Success**



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